

**TAVANT**

# **TRANSFORMING DATA OPERATIONS FOR A SUSTAINABILITY LEADER**

*How Tavant Optimized Data Solutions  
to Drive Efficiency for a Global  
Sustainability Leader*

## THE CLIENT AND THE CHALLENGE

A global leader in natural resource management specializing in sustainable water, waste, and energy solutions faced critical data inefficiencies following a merger. Duplicate tools across systems created operational redundancies, while data ingestion pipelines struggled to scale with increasing volumes from diverse sources like systems, machines, and employee information, leading to bottlenecks and delays. Additionally, fragmented software development and deployment processes caused errors and slow updates. Siloed data access further hindered collaboration and informed decision-making, necessitating a streamlined, scalable data infrastructure.

## THE SOLUTION

Tavant optimized the client's data operations by redesigning ingestion pipelines, integrating diverse data sources, automating software deployment, and centralizing data access. These improvements enhanced scalability, eliminated inefficiencies, and accelerated decision-making across the organization.

## THE IMPACT

Tavant's solution streamlined the client's data operations, significantly reducing costs and enhancing system efficiency. Storage costs decreased by 50%, while operational costs and runtime improved by 30%, accelerating decision-making and reducing maintenance expenses. Data retrieval speeds were optimized for faster and more effective use. Automated invoicing minimized delays, particularly benefiting sectors like government, parks, and pharmaceuticals. With 99.99% data accuracy, the client gained reliable insights to drive sustainability efforts and long-term growth.





## SCALABLE DATA INTEGRATION

Redesigned data ingestion pipelines to handle growing data volumes from multiple sources.

### ► FLEXIBLE CONNECTORS

Integrated databases, APIs, and other data sources for seamless data flow.

### ► DATA CLEANSING & STANDARDIZATION

Improved processing efficiency, reducing delays and enhancing data accuracy.

## AUTOMATED SOFTWARE DEPLOYMENT

Implemented a CI/CD system to eliminate manual errors and accelerate deployment cycles.

## CENTRALIZED DATA ACCESS & REPORTING

Developed a unified real-time dashboard to enhance accessibility and streamline decision-making across departments.